

Appl. No.: 10/087,892
Reply to Office Action of: October 29, 2004

Amendments to the Claims:

This listing of claims will replace all prior versions, and listing, of claims in the present application:

Listing of Claims:

1. (currently amended) A signal distribution system having a structured wiring network extending between rooms of a premises and connected to a central distribution unit capable of receiving a plurality of services from outside or inside the premises, the system comprising:

a central distribution panel having at least one input electrical connector for receiving a service, a plurality of output connectors each being connected to a respective conductor terminated in a room of the premises, and a central region having a plurality of module receiving connectors each having a first set of conductors connected to the input electrical connector and a second set of conductors connected to a respective output connector; and,

a plurality of modules each configured to connect selected ones of the first set of conductors to selected ones of the second set of conductors and each being securable in the central region to pass selected ones of the services to selected ones of the output connectors being connected to one of the rooms within the premises, at least one of the modules being a surge suppressor module for providing signal protection services throughout the system.

2. (original) The signal distribution system of claim 1 wherein the plurality of modules comprises a telephone line one module for connecting telephone line one from the first set of conductors to selected ones of the second set of conductors.

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3. (original) The signal distribution system of claim 1 wherein the plurality of modules comprises a telephone line two module for connecting telephone line two from the first set of conductors to selected ones of the second set of conductors.

4. (original) The signal distribution system of claim 1 wherein the plurality of modules comprises a telephone line three module for connecting telephone line three from the first set of conductors to selected ones of the second set of conductors.

5. (original) The signal distribution system of claim 1 wherein the plurality of modules comprises a telephone line four module for connecting telephone line four from the first set of conductors to selected ones of the second set of conductors.

6. (original) The signal distribution system of claim 1 wherein the plurality of modules comprises a video line module for connecting video signals from the first set of conductors to selected ones of the second set of conductors.

7. (original) The signal distribution system of claim 6 wherein the video line module comprises a mating connector on a rear face and a receptacle connector on a front face.

8. (original) The signal distribution system of claim 1 wherein the plurality of modules comprises a data line module for connecting data signals from the first set of conductors to selected ones of the second set of conductors.

9. (original) The signal distribution system of claim 8 wherein the data line module comprises a mating connector on a rear face and a receptacle connector on a front face.

10. (original) The signal distribution system of claim 7 further comprising a video distribution panel for passing a plurality of video signals from the video line module front face connector to the structured wiring network.

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11. (original) The signal distribution system of claim 9 further comprising a data distribution panel for passing a plurality of data signals from the data line module front face connector to the structured wiring network.

12. (original) A central distribution panel receiving a plurality of services at an input and having a plurality of outputs each connected to an outlet at a remote location the distribution panel comprising:

a central region having a plurality of module receiving connectors each having a first portion connected to the input and a second portion connected to one of the plurality of outlets; and,

a plurality of modules, each being connectable to a respective module receiving connector and configured to bridge a selected service from the first portion to the second portion for sending a selected service to a selected remote location within a premises.

13. (original) The central distribution panel of claim 12 wherein one of the plurality of modules further comprises a front face connector for passing a signal from the first portion through the front face of the module.

14. (currently amended) A signal distribution system having a structured wiring network extending between rooms of a premises and connected to a central distribution unit capable of receiving a plurality of services from outside the premises, the system comprising:

a central distribution panel having at least one input for receiving a service;

a plurality of outputs each being connected to a respective conductor terminated in a room of the premises;

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and a central region having a plurality of module receiving connectors each having a first set of conductors connected to the input and a second set of conductors connected to a respective output; and,

a plurality of modules each configured to connect selected ones of the first set of conductors to selected ones of the second set of conductors and each being securable in the central region to pass selected ones of the services to the selected ones of the outputs being connected to one of the rooms within the premises at least one of the modules being an electronic module for providing sensing and control services throughout the system.

15. (original) The signal distribution system of claim 14 wherein the services are provided over a communications medium.

16. (original) The signal distribution system of claim 15 wherein the medium is an optical communications link.

17. (original) The signal distribution system of claim 15 wherein the medium is a wireless communications link.

18. (original) The signal distribution system of claim 15 wherein the medium is an electrical link.

19. (original) The signal distribution system of claim 15 wherein the plurality of modules comprises a telephone line one module for connecting telephone line one from the first set of conductors to selected ones of the second set of conductors.

20. (original) The signal distribution system of claim 15 wherein the plurality of modules comprises a telephone line two module for connecting telephone line two from the first set of conductors to selected ones of the second set of conductors.

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21. (original) The signal distribution system of claim 15 wherein the plurality of modules comprises a telephone line three module for connecting telephone line three from the first set of conductors to selected ones of the second set of conductors.

22. (original) The signal distribution system of claim 15 wherein the plurality of modules comprises a telephone line four module for connecting telephone line four from the first set of conductors to selected ones of the second set of conductors.

23. (original) The signal distribution system of claim 15 wherein the plurality of modules comprises a video line module for connecting video signals from the first set of conductors to selected ones of the second set of conductors.

24. (original) The signal distribution system of claim 23 wherein the video line module comprises a mating connector on a rear face and a receptacle connector on a front face.

25. (original) The signal distribution system of claim 15 wherein the plurality of modules comprises a data line module for connecting data signals from the first set of conductors to selected ones of the second set of conductors.

26. (original) The signal distribution system of claim 25 wherein the data line module comprises a mating connector on a rear face and a receptacle connector on a front face.

27. (original) The signal distribution system of claim 25 further comprising a video distribution panel for passing a plurality of video signals from the video line module front face connector to the structured wiring network.

28. (original) The signal distribution system of claim 27 further comprising a data distribution panel for passing a plurality of data signals from the data line module front face connector to the structured wiring network.

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29. (original) The signal distribution of claim 14 wherein the plurality of modules comprises a combination module for combining a plurality of services provided at the input into a combined signal at the output connector being connected to one of the rooms within the premises.

30. (cancelled)

31. (cancelled)